

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069832.D
 Acq On : 7 Dec 2021 23:53
 Operator : JC/MD
 Sample : VN1207WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 08 04:42:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	1058566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1747018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1598278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	628598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	841057	51.459	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.920%			
35) Dibromofluoromethane	8.021	113	570560	52.140	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.280%			
50) Toluene-d8	10.440	98	2252782	51.270	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.540%			
62) 4-Bromofluorobenzene	12.731	95	775105	48.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	250653	20.301	ug/l	99
3) Chloromethane	2.306	50	298572	19.303	ug/l	100
4) Vinyl Chloride	2.451	62	275799	19.391	ug/l	99
5) Bromomethane	2.856	94	159347	20.622	ug/l	94
6) Chloroethane	3.025	64	166748	19.132	ug/l	99
7) Trichlorofluoromethane	3.379	101	368094	19.719	ug/l	99
8) Diethyl Ether	3.824	74	146180	20.333	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.207	101	209009	19.975	ug/l	97
10) Methyl Iodide	4.419	142	270824	18.946	ug/l #	94
11) Tert butyl alcohol	5.380	59	234422	75.878	ug/l	98
12) 1,1-Dichloroethene	4.183	96	198597	19.696	ug/l	90
13) Acrolein	4.041	56	310003	117.829	ug/l	99
14) Allyl chloride	4.840	41	442690	19.484	ug/l	94
15) Acrylonitrile	5.554	53	760625	91.366	ug/l	100
16) Acetone	4.285	43	710298	72.245	ug/l	96
17) Carbon Disulfide	4.529	76	492760	18.916	ug/l	99
18) Methyl Acetate	4.857	43	541548	18.248	ug/l	90
19) Methyl tert-butyl Ether	5.615	73	785328	20.031	ug/l	96
20) Methylene Chloride	5.095	84	248456	19.009	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	211493	19.311	ug/l	85
22) Diisopropyl ether	6.498	45	924147	20.809	ug/l	96
23) Vinyl Acetate	6.436	43	3675937	101.741	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	473246	20.572	ug/l	98
25) 2-Butanone	7.337	43	1098967	82.267	ug/l	92
26) 2,2-Dichloropropane	7.327	77	324325	18.132	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	259399	19.604	ug/l	86
28) Bromochloromethane	7.659	49	255549	21.362	ug/l #	78
29) Tetrahydrofuran	7.686	42	726964	89.620	ug/l	89
30) Chloroform	7.820	83	471375	20.289	ug/l	100
31) Cyclohexane	8.096	56	455766	20.038	ug/l	89
32) 1,1,1-Trichloroethane	8.016	97	396856	20.053	ug/l	96
36) 1,1-Dichloropropene	8.220	75	335193	20.155	ug/l	95
37) Ethyl Acetate	7.412	43	448024	18.100	ug/l	94
38) Carbon Tetrachloride	8.204	117	327474	20.080	ug/l	100
39) Methylcyclohexane	9.459	83	390329	19.731	ug/l	88
40) Benzene	8.458	78	1032083	20.303	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069832.D
 Acq On : 7 Dec 2021 23:53
 Operator : JC/MD
 Sample : VN1207WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 08 04:42:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	218711	18.822	ug/l	89
42) 1,2-Dichloroethane	8.531	62	410144	19.987	ug/l	97
43) Isopropyl Acetate	8.560	43	705265	19.253	ug/l #	94
44) Trichloroethene	9.217	130	241587	19.911	ug/l	92
45) 1,2-Dichloropropane	9.491	63	281603	20.629	ug/l	97
46) Dibromomethane	9.577	93	179012	19.995	ug/l	93
47) Bromodichloromethane	9.762	83	347877	20.523	ug/l	98
48) Methyl methacrylate	9.561	41	322351	18.857	ug/l	90
49) 1,4-Dioxane	9.569	88	93185	303.800	ug/l #	86
51) 4-Methyl-2-Pentanone	10.330	43	2255970	94.935	ug/l	95
52) Toluene	10.505	92	633546	20.414	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	350291	19.013	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	387727	19.393	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	247846	19.793	ug/l	98
56) Ethyl methacrylate	10.762	69	401133	18.483	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	446496	20.250	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	369530	72.044	ug/l	92
59) 2-Hexanone	11.084	43	1558537	86.700	ug/l	92
60) Dibromochloromethane	11.237	129	239030	19.345	ug/l	100
61) 1,2-Dibromoethane	11.344	107	255651	19.711	ug/l	98
64) Tetrachloroethene	10.977	164	228301	21.066	ug/l	95
65) Chlorobenzene	11.768	112	658807	20.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	235603	20.645	ug/l	99
67) Ethyl Benzene	11.843	91	1212935	20.594	ug/l	96
68) m/p-Xylenes	11.953	106	875875	40.842	ug/l	91
69) o-Xylene	12.280	106	436370	20.201	ug/l	91
70) Styrene	12.294	104	694961	20.289	ug/l	95
71) Bromoform	12.457	173	165052	18.717	ug/l #	99
73) Isopropylbenzene	12.578	105	1144158	20.458	ug/l	99
74) N-amyl acetate	12.387	43	459908	18.595	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	384573	19.885	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	326382m	18.105	ug/l	
77) Bromobenzene	12.860	156	264613	20.143	ug/l	80
78) n-propylbenzene	12.919	91	1277628	20.529	ug/l	96
79) 2-Chlorotoluene	13.007	91	798083	20.295	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	941538	20.916	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	82830	17.878	ug/l	86
82) 4-Chlorotoluene	13.104	91	749128	20.256	ug/l	92
83) tert-Butylbenzene	13.323	119	813007	20.397	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	898038	20.948	ug/l	98
85) sec-Butylbenzene	13.501	105	1086526	20.096	ug/l	98
86) p-Isopropyltoluene	13.616	119	862038	20.398	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	431380	19.989	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	412992	19.473	ug/l	96
89) n-Butylbenzene	13.943	91	653730	19.069	ug/l	98
90) Hexachloroethane	14.209	117	145170	19.565	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	424455	20.185	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	63727	18.235	ug/l	75
93) 1,2,4-Trichlorobenzene	15.263	180	171560	18.555	ug/l	98
94) Hexachlorobutadiene	15.367	225	108630	19.493	ug/l	98
95) Naphthalene	15.504	128	459926	17.764	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	171148	18.634	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
Data File : VN069832.D
Acq On : 7 Dec 2021 23:53
Operator : JC/MD
Sample : VN1207WBSD02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2021
Supervised By :Amit Patel 12/14/2021

Quant Time: Dec 08 04:42:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

